## WHAT IS CLAIMED IS:

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A computer system comprising:

a forwarding element adapted to perform data forwarding in a computer network;

a control element adapted to perform network signaling and control in the computer network, wherein the control element is adapted to generate a standardized data set for configuring the forwarding element;

an interconnecting element operatively connecting the forwarding element to the control element; and

a forwarding element plugin integrated with the control element for receiving the standardized data set from the control element, translating the standardized data set into a specialized data set, and transmitting the specialized data set to the forwarding element to configure the forwarding element, wherein the forwarding element utilizes the specialized data set to configure the forwarding element for performing data forwarding in the computer network.

2. The computer system according to claim 1, further including an opaque forwarding element plugin for receiving the standardized data set from the control element and transmitting the standardized data set to the forwarding element plugin, and for receiving the specialized data set from the forwarding element plugin and transmitting the specialized data set

- 5 to the forwarding element.
  - 3. The computer system according to claim 1, wherein the specialized data set is a
- 2 binary large object.

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forwarding element.

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element.

forwarding element interface of the forwarding element for configuring the forwarding

I	14.	The method according to claim 8, wherein the specialized data set is a binary		
2	large object.			
1	15.	The method according to claim 8, further including:		
2		encrypting the specialized data set before transmitting the specialized data set to		
3	the for	he forwarding element; and		
4		decrypting the specialized data set at the forwarding element.		
<u> </u>	16.	The method according to claim 8, wherein the forwarding element plugin is a		
	dynamic link	library.		
1	17.	A forwarding element plugin software program comprising:		
<del>2</del> 0	$\mathcal{I}$	a computer-readable medium; and		
3 14		a computer-readable program code, stored on the computer-readable medium,		
]4 ]	adapte	ed to be integrated with a control element for configuring a forwarding element, the		
5	comp	nter-readable program code performing,		
6		receiving a standardized data set for configuring the forwarding element		
7		generated by the control element,		
8		translating the standardized data set into a specialized data set, and		
9		transmitting the specialized data set to the forwarding element for		
10		configuring the forwarding element.		

1	18.	The forwarding element plugin software program according to claim 17, wherein	
2	the computer-	-readable program code further performs:	
3		receiving the standardized data set from an opaque forwarding element plugin;	
4	and		
5		transmitting the specialized data set to the opaque forwarding element plugin.	
1	19.	The forwarding element plugin software program according to claim 17, wherein	
2	the computer-readable program code further performs:		
3 1 1 1 1		encrypting the specialized data set before transmission to the forwarding element.	
<b>□</b> 1	20.	The forwarding element plugin software program according to claim 17, wherein	
<b>J</b> 2	the specialized data set is a binary large object.		
ii L			
1 2	21.	The forwarding element plugin software program according to claim 17, wherein	
<u>1</u> 2	the computer-readable program code is a dynamic link library.		
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